

Listing of Claims:

1. (original) A carbon nanotube dispersion liquid comprising a carbon nanotube, an amide-based polar organic solvent, and a polyvinylpyrrolidone (PVP).
2. (original) A carbon nanotube dispersion liquid comprising a carbon nanotube, an amide-based polar organic solvent, a nonionic surfactant, and a polyvinylpyrrolidone (PVP).
3. (currently amended) The carbon nanotube dispersion liquid according to claim 1 ~~or 2~~, characterized in that the amide-based polar organic solvent is N-methylpyrrolidone (NMP).
4. (currently amended) The carbon nanotube dispersion liquid according to claim 2 ~~or 3~~, characterized in that the nonionic surfactant is a polyoxyethylene surfactant.
5. (original) The carbon nanotube dispersion liquid according to claim 1, characterized by having a nonionic surfactant content of 0.005 to 5%.

6. (original) The carbon nanotube dispersion liquid according to claim 1, characterized by having a polyvinylpyrrolidone (PVP) content of 0.1 to 10%.

7. (original) The carbon nanotube dispersion liquid according to claim 1, characterized in that the polyvinylpyrrolidone (PVP) has a molecular weight of 20,000 to 5,000,000.

8. (original) The carbon nanotube dispersion liquid according to claim 1, characterized in that the carbon nanotube is a single-walled carbon nanotube (SWNT).

9. (original) The carbon nanotube dispersion liquid according to claim 1, characterized by comprising as the carbon nanotube only fine carbon nanotube particles treated with a filter having a retaining particle size of 0.1 to 3.0  $\mu\text{m}$ .

10. (original) The carbon nanotube dispersion liquid according to claim 1, characterized in that the dispersion liquid is used for uniformly dispersing the carbon nanotube in a polymer-based nanocomposite.

11. (original) The carbon nanotube dispersion liquid according to claim 1, characterized by having a reduced light scattering property.

12. (currently amended) A method for producing a carbon nanotube dispersion liquid, ~~characterized by~~ comprising the step of mixing and dispersing a carbon nanotube in a mixture solution of an amide-based polar organic solvent and a polyvinylpyrrolidone (PVP) under ultrasonication.

13. (currently amended) A The method for producing a carbon nanotube dispersion liquid according to claim 12, further comprising the step of ~~characterized by comprising the steps of mixing and dispersing a carbon nanotube in a mixture solution of an amide-based polar organic solvent and a polyvinylpyrrolidone (PVP) under ultrasonication, and treating the resultant dispersion with a filter having a retaining particle size of 0.1 to 3.0 μm to obtain a dispersion liquid comprising only fine carbon nanotube particles.~~

14. (currently amended) A method for producing a carbon nanotube dispersion, ~~characterized by~~ comprising the steps of mixing and dispersing a carbon nanotube in a mixture solution of an amide-based polar organic solvent and a nonionic surfactant under ultrasonication, and mixing the resultant dispersion with a polyvinylpyrrolidone (PVP).

15. (currently amended) A The method for producing a carbon nanotube dispersion liquid according to claim 14,  
further comprising the step of characterized by comprising the  
steps of mixing and dispersing a carbon nanotube in a mixture  
solution of an amide based polar organic solvent and a  
nonionic surfactant under ultrasonication, mixing the  
resultant dispersion with a polyvinylpyrrolidone (PVP), and  
treating the dispersion with a filter having a retaining  
particle size of 0.1 to 3.0  $\mu\text{m}$  to obtain a dispersion liquid  
comprising fine carbon nanotube particles.

16. (currently amended) A The method for producing a carbon nanotube dispersion liquid according to claim 14, where  
in the step of characterized by comprising the step of mixing  
and dispersing a carbon nanotube in a mixture solution of an  
amide based polar organic solvent, a nonionic surfactant, and  
a polyvinylpyrrolidone (PVP) under ultrasonication is added.

17. (currently amended) A The method for producing a carbon nanotube dispersion liquid according to claim 16,  
further comprising the step of characterized by comprising the  
steps of mixing a carbon nanotube with a mixture solution of  
an amide based polar organic solvent, a nonionic surfactant,  
and a polyvinylpyrrolidone (PVP) under ultrasonication, and  
treating the resultant mixture with a filter having a

retaining particle size of 0.1 to 3.0  $\mu\text{m}$  to obtain a dispersion liquid comprising fine carbon nanotube particles.

18. (new) The carbon nanotube dispersion liquid according to claim 2, characterized in that the amide-based polar organic solvent is N-methylpyrrolidone (NMP).

19. (new) The carbon nanotube dispersion liquid according to claim 3, characterized in that the nonionic surfactant is a polyoxyethylene surfactant.